

**Amendments to the Claims**

Please cancel Claims 3-12 and 15-29. The Claim Listing below will replace all prior versions of the claims in the application:

**Claim Listing**

Claims 1-12 (cancelled)

13. (previously presented) The magnetic field sensor of Claim 34, wherein the sensor comprises a matrix of magnetostrictive material that strains under the influence of a magnetic field and imparts stress to at least one rod or fiber of piezoelectric material that is surrounded by the matrix to produce a detectable voltage.
14. (previously presented) The magnetic field sensor of Claim 34, wherein the sensor comprises at least one rod or fiber of magnetostrictive material that strains under the influence of a magnetic field and imparts stress to a matrix of piezoelectric material surrounding the at least one rod or fiber to produce a detectable voltage.

Claims 15-29 (cancelled)

30. (previously presented) The magnetic field sensor of Claim 13, wherein a plurality of piezoelectric material rods or fibers are connected electronically in parallel.
31. (previously presented) The magnetic field sensor of Claim 13, wherein each one of a plurality of piezoelectric material rods or fibers is connected to an associated read-out circuit.
32. (previously presented) The magnetic field sensor of Claim 13, wherein a single piezoelectric rod or fiber is surrounded by a magnetostrictive matrix material.

33. (previously presented) The magnetic field sensor of Claim 14, wherein a single magnetostrictive rod or fiber is surrounded by a piezoelectric matrix material.
34. (previously presented) A magnetic field sensor comprising a magnetostrictive material in contact with a piezoelectric material, the magnetostrictive material straining in response to a magnetic field and imparting stress to the piezoelectric material to produce a detectable voltage signal, the magnetic field sensor comprising at least one rod or fiber of a first one of the magnetostrictive and piezoelectric materials, and a matrix of the second one of the magnetostrictive and piezoelectric material surrounding the at least one rod or fiber.